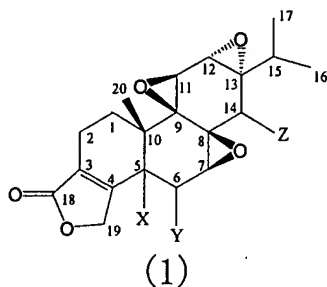


## Abstract

The invention relates to triptolide derivatives of Formula (I), their pharmaceutically acceptable salts and optical isomers, Formula (I):



wherein, C5 and C6 connect with each other by a C-C single bond or double bond; when C5 and C6 are connected with C-C single bond, X and Y represents independently hydrogen, oxygen, hydroxyl, halogen, lower alkyl-oxy, lower alkyl-amino, mercapto, lower alkyl-thio, the group of formula -OCOR, -OSO<sub>2</sub>OR or -OPO(OH)<sub>2</sub>, each of which is attached to C5 and C6, R represents -(CH<sub>2</sub>)<sub>n</sub>CO<sub>2</sub>Na, -(CO<sub>2</sub>)<sub>n</sub>CO<sub>2</sub>K, or -(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>, wherein n = 1-6; Z represents hydrogen, oxygen, hydroxyl, halogen, lower alkyl-oxy, lower alkyl-amino, mercapto, lower alkyl-thio, the group of formula -OCOR, -OSO<sub>2</sub>OR or -OPO(OH)<sub>2</sub>, each of which is linked at C14-position, R represents -(CH<sub>2</sub>)<sub>n</sub>CO<sub>2</sub>Na, -(CO<sub>2</sub>)<sub>n</sub>CO<sub>2</sub>K, or -(CH<sub>2</sub>)<sub>n</sub>CH<sub>2</sub>, wherein n = 1-6; wherein, the "—" linked with X, Y, and Z represents "———" or "·····", but X and Y cannot both be hydrogen atom at the same time, the methods for preparing them and their use as antiphlogistic agent, immunosuppressive agent or therapeutic agent for other related diseases.